

Frisco, a Town of Wonders

Some Marvelous Exhibits at the Panama-Pacific International Exposition

Exhibits in Agricultural Palace at the Panama-Pacific International Exposition Show Gateroller Gaining Favor Over Logwheeler Tractor in Farm Machinery.

The observer in the Agricultural Palace at the Panama-Pacific International Exposition at San Francisco cannot help noticing, in the display of agricultural power machinery, the almost complete supersession of the old familiar power tractor, known as the exterior, over the cumbersome, costly, high-wheeled engine of a few years ago. There are few of the old models on exhibition, while the exterior principle has been applied to almost every type of engine for agricultural purposes.

The exterior power is a heavy steel metal chain, varying in width from ten inches to two feet according to the weight of the engine, which passes around two heavy spoked wheels like a belt. These wheels revolving, pass the chain about them, the lower part passing backward, with the weight of the engine resting on the broad surface of the chain between the two spindles.

An engine of this type can be operated on ground soft enough to move an ordinary farm wagon.

Duplicates of the Roosevelt African Knives.

A duplicate of the shotgun which Col. Theodore Roosevelt took with him on his African trip, a gun constructed expressly for him by an American gunsmith, is on display in the manufacturer's exhibit in the Manufacturers' Palace at the Panama-Pacific International Exposition, San Francisco. The gun cost its illustrious owner \$100, and its beautiful design, graceful lines and wonderful finish work would justify the expenditure to any lover of fine pieces. The stock is elaborately hand carved, the barrels and lock are case engraved, and the lock is fitted with a hunting scene in gold. The barrels are of the finest Krupp steel. Before starting on the trip the president wrote to the maker, "I really think it is the most beautiful gun I have ever seen. I am almost ashamed to take it to Africa and subject it to the rough treatment it will receive."

The left barrel is choked and the right open. It is fitted to shoot either buckshot or a single ball.

In a group in this Palace are displayed by four of the world's greatest manufacturers of sporting arms which form an exhibit which attracts hundreds of sportsmen. Each display is in charge of a firearms expert.

Pearl Culture & New Industry.

Among the interesting exhibits of the Japanese in the Manufacturers' Palace at the Panama-Pacific International Exposition is a demonstration of the methods and results of pearl cultivation in the far East. The displays of this cultivated product, showing hundreds of pearls which yielded culture a few years ago would have been the possessions of royalty, will delight any lover of beautiful gems, and the methods of production will prove interesting to any observer. Though pearl culture has become a thriving industry in Japan, attempts to reproduce it in other parts of the world have yielded but meager results.

The successful method of propagation was evolved by the Japanese scientist Kozuka Mikiyama, who discovered a species of oyster which produced the pearl on the surface of the shell. Though the finding of the oysters and inserting the nuclei, then waiting for the pearl to grow to a commercial size may seem a simple process, the fact that it has not reduced the price of the gem, even to that of the most expensive imitations, shows that it is beset with many difficulties.

Daniel Webster's Plow at the Panama-Pacific International Exposition.

One of the most valuable exhibits commercially, in the Agricultural Palace at the Panama-Pacific International Exposition, San Francisco, is an ancient plow displayed in the Massachusetts exhibit, and forming a striking contrast to the highly-complex modern machinery displayed on the average of one thousand.

The plow owes its distinction to the circumstance that a hundred years ago Daniel Webster's youthful hands guided it along the furrows of his father's farm near Marshfield, Mass. It was drawn by a yoke of oxen and the future peer of American orators and statesmen could turn an acre of sod a day he had to work from daylight to dark.

Radium Used to Promote Plant Growth.

Some of the remarkable properties of radium are being demonstrated by an exhibitor in the Liberal Arts building at the Panama-Pacific International Exposition, San Francisco, in connection with a new invention making possible the multiplying of water for medicinal purposes.

Demonstrating the power of this mineral promoting metabolism a number of young plants, some starting with stone without the aid of radium, are shown. Those in the radioactive soil are seen to be growing much more rapidly than those in control soil, and to have a more healthy appearance.

This inventor has found a process of impregnating stone, coral, bricks with radium-bearing minerals, and these small bricks placed in water are said to give it remarkable curative properties. The porous bricks are most effectively, lasting only half their potency, it is estimated, in 1,000 years. Since the discovery of this mineral it has been found that many celebrated waters, at Carlsbad and Baden-Baden, possess their health-giving properties to a degree. The inventor claims that the process produces in ordinary waters the qualities of these famous springs. The radium is used in the manufacture of radioactive terra cotta known as carborita, a formation found mainly in Colorado and Utah, and now producing three-fourths of the world's radium. The European mineral, known as pitchblende, from which the famous European springs are impregnated, is also displayed.

Most Rapid Photographs Ever Taken.

The most remarkable set of speed photographs ever taken are a part of the war department's exhibit in Machinery Hall at the Panama-Pacific International Exposition, San Francisco. They are pictures of a shell from a 12-inch coast defense gun in flight, the set including the various phases of the flight beginning just as the great projectile passed its nose out of the muzzle of the gun.

The pictures were taken with a lens having an exposure period of one five-thousandth of a second, this being the fastest shutter ever manufactured. The exposure at the proper time in the flight of the projectile was made by breaking an electric circuit in a wire stretched across the trajectory at the desired point and connecting with the shutter.

One picture shows the shell half-way out of the muzzle before any smoke and gas has escaped. Another was taken when the shell was two feet from the muzzle and hidden by a very ring of smoke. A third shows the shell in flight a hundred feet from the muzzle. The photographs are so series and the exposure so rapid that scarcely any time is perception. They were taken at Fortress Monroe, Va., under the direction of Capt. F. J. Bell of the coast artillery corps and head of the department of military specialists at the Coast Artillery School at Fortress Monroe.

NATIVE LIFE OF THE FAR PACIFIC.



The photograph shows the wife of the interesting Samoan village at the Panama-Pacific International Exposition at San Francisco. The structures in this village, comprising the native thatched huts of the Samoans, or as they were formerly called, the Navigator Islands, were brought intact from the native villages and are absolutely faithful in all their features.

There are many native families living in the village who for the edification of visitors perform the aquatic feats in which the Islanders excel, and dance the rhythmic native dances.

The life of the people of the Pacific ocean is wonderfully illustrated at the Exposition, and of all the races none are more interesting than the Samoans who exhibit many traces of Aryan descent. No Exposition visitor should fail to see these unique tribespeople.

BARBERS BEATEN BY THE OILERS

Said the Oil Millers defeat the Barbers yesterday in the exhibition game at University park. They did splendidly in case and effect; the cause was that the Oilers sent their opponents by several walkups, while the error column of the Barbers greatly exceeded that of the Oilers as to content. The effort was a score of 14 to 5.

Ever bear of Ty Cobb? Certainly well, did you ever bear of anyone who had the Georgia Peach slapped to a whisper as a base runner? You didn't? The next time you see Bill Norton striking down the street, give him the once-over. He's the guy that put the "W" in steel when applied to baseball. Apparently the only way to keep him from stealing everything in sight, except the pitcher's uniform, is to keep him off the base. In the three times that he batted safely at first yesterday, each and every time an error, he successfully pilfered five bases, securing a combination of hook and slide away slides, a version of his own, upon his arrival at each.

Just to show that his base wasn't the only thief in the lot, Harry Score pulled the sensation of the game in the sixth inning by stealing home with Cobb recovering for the Oilers. Even at that, it took the Callahan-Dekker combination to pull off the classic squeeze play stuff, another exhibition of "inside ball."

Team as a whole, probably the enthusiasm of the Barbers digressed about as much toward their defeat as any other one item. They arrived at the ice early and practiced for an hour or so before the Oilers put in an appearance. So strenuous was this practice, that after-ward Barbers became weary early in the struggle and could not stem the tide of attack waged by the Oilers and Stridson's Oilers clan. They will know better next time.

Bill started the game for the Barbers but was relieved in the fourth by Miller. Errors and wildness proved to be undoing of Bill. It came in the second inning, with two down. Meers, Van Valkenberg and Hansen had advanced to the plate, had taken three good and sufficient walkups at the pill and had retired to the bench, struck out. Mr. Burton, it was then who broke loose and started his now famous stealing rampage. Previously, however, Mr. Hiddens had swatted the first safe over the game and at the moment that Mr. Burton advanced to the plate, was resting on second. Mr. Burton lived at first when Mr. Miller, who was exerting around third base, stuck his thumb into a chance from Burton. Mr. Sudden advanced to third on the double, and came home on a wild pitch. Two hits, five stolen bases, three errors, two bases on balls, a wild pitch and two passed balls netted the Oilers five runs in this frame. From then out, it was nothing but Oilers.

The Barbers registered one in the fourth, two in the fifth and two in the seventh, mostly on errors, coupled with a few safe singles. Jordan for the Barbers and Hiddens for the Oilers got away with the hitting honors. Jordan cleaned two hits out of four times up and Hiddens piled three out of four trips to the plate, one of which was a double.

OUR KNOWING.
Hicks—"I understand that you and Sharp had buried the hatchet, but I heard his criticism you pretty severely last night." Nickie—"Oh, we've buried the hatchet all right, but he still uses the hammer."

WHOLE FAMILY DEPENDENT.

Mr. E. Williams, Hamilton, Ohio, writes: "Our whole family depend on Pine-Tar-Honey." Maybe some one in our family has a severe cold—perhaps it is the baby. The original Dr. Bell's Pine-Tar-Honey is an ever ready household remedy—it gives immediate relief. Pine-Tar-Honey penetrates the linings of the throat and lungs, destroys the germs, and allows nature to act. At your druggist, 25c.—Adv.

STORIES OF THE DIAMOND

FEDERAL LEAGUE.

Standing of the Teams.

	W.	L.	Pct.
Pittsburgh	19	12	.583
Chicago	20	13	.583
Newark	19	16	.526
Kansas City	17	16	.526
Brooklyn	25	16	.625
St. Louis	21	16	.567
Baltimore	20	16	.562
Buffalo	19	12	.583

Results Yesterday.
Chicago 4, Baltimore 2.
Kansas City 2, Buffalo 2.
St. Louis 10, Newark 3.
Only three games scheduled.

NATIONAL LEAGUE.

Standing of the Teams.

	W.	L.	Pct.
Chicago	19	12	.583
Philadelphia	17	13	.567
Pittsburgh	15	15	.500
Boston	18	15	.583
Brooklyn	19	15	.563
St. Louis	15	17	.481
Cincinnati	13	16	.444
New York	12	16	.400

Results Yesterday.
No games scheduled.

AMERICAN LEAGUE.

Standing of the Teams.

	W.	L.	Pct.
Chicago	22	12	.647
Berlin	21	13	.625
New York	17	12	.583
Boston	19	13	.599
Washington	19	15	.563
Cleveland	18	17	.526
St. Louis	13	16	.400
Philadelphia	10	12	.429

Results Yesterday.
St. Louis 4, New York 2.
Chicago 4, Boston 2.
Detroit 10, Philadelphia 5.
Cleveland 2, Washington 4.

WESTERN ASSOCIATION.

Standing of the Teams.

	W.	L.	Pct.
Sherman	22	11	.667
Oklahoma City	20	14	.583
Denison	20	14	.583
Tulsa	17	17	.500
Ft. Smith	17	17	.500
Paris	15	17	.469
Muskogee	14	18	.423
McAlester	19	26	.429

Results Yesterday.
Sherman 1, Oklahoma City 2.
Denison 3, Muskogee 2.
Paris 1, Ft. Smith 2.
Tulsa-McAlester, rain.

Gossip of Sportdom

BY HAL SHERIDAN.

(Written for the United Press.)
New York, May 21.—Athletes connected with the Amateur Athletic Union are discussing the recent action of the intercollegiate A. A. A. in ignoring A. A. U. men in their selection of officials for the coming championships to be held at Franklin Field, Philadelphia. Some of the comment is rather severe on the I. A. A. A. authorities, for the members of the A. A. U. are deeply stirred over the matter.

The reason given by the intercollegiate association for not inviting any



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